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DATE MAILED: 06/30/2008

NOTICE OF ALLOWANCE AND FEE(S) DUE

30449 7590 06/30/2008 SCHMEISER, OLSEN & WATTS 22 CENTURY HILL DRIVE SUITE 302 LATHAM, NY 12110

| EXAMINER | | | | |
|--------------------|--------------|--|--|--|
| STEVENSON, ANDRE C | | | | |
| ART UNIT | PAPER NUMBER | | | |
| 2812 | • | | | |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|--|-------------|----------------------|---------------------|------------------|--|
| 10/604,142 | 06/27/2003 | Duane E. Allen | BUR920030027US1 | 1141 | |
| TITLE OF INVENTION: MASK AND SUBSTRATE ALIGNMENT FOR SOLDER BUMP PROCESS | | | | | |

 APPLN. TYPE
 SMALL ENTITY
 ISSUE FEE DUE
 PUBLICATION FEE DUE
 PREV. PAID ISSUE FEE
 TOTAL FEES) DUE
 DATE DUE

 nonprovisional
 NO
 \$1440
 \$300
 \$0
 \$1740
 09/50/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

| appropriate. All further correspondence including the Patent, advance orders and notification indicated unless corrected below ordered otherwise in Block 1. by (a) specifying a new-minimumer for ordifications: CURRENT CORRENT CORRENT ADDRESS Obser. Use Block 1 for any things of address) 50440 7590 06/30/2008 SCHMEISER, OLSEN & WATTS 22 CENTURY HILL DRIVE SUITE 320 SUITE 320 | | | Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying | | | | | | |
|--|--|---|--|---|---|---|--|---|--|
| | | | | papers. Each additional paper, such as an assignment or formal drawing, mu have its own certificate of mailing or transmission. | | | | nal drawing, must | |
| | | | | | Cer | tificate | of Mailing or Transa s) Transmittal is being ficient postage for firs ISSUE FEE address I) 273-2885, on the di | mission | |
| LATHAM, NY | 12110 | | | | | | | | (Depositor's name) |
| | | | | | | | | | (Signature) |
| | | | | L | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVEN | TOR | | ATTO | RNEY DOCKET NO. | CONFIR | RMATION NO. |
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| TITLE OF INVENTION | : MASK AND SUBSTR | RATE ALIGNMENT FO | R SOLDER BUMP PR | OCE | SS | | | | |
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| nonprovisional | NO | \$1440 | \$300 | | \$0 | | \$1740 | (| 09/30/2008 |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | | | | | | |
| STEVENSO | | 2812 | 438-800000 | | | | | | |
| 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form FTO/SB/122) attached. The Address' indication (or "Fee Address' Indication form FTO/SB/47, Rev 03-92 or more recent) attached. Use of a Customer Number is required. | | | 2. For printing on the patient front page, list (1) the annes of up to 3 registered patient attorneys or agents OR, alternatively. (2) the name of a single firm thaving as a member a (2) the single firm thaving as a member a (3) (4) the single firm thaving as a member a (5) the single firm thaving as a member a (6) the single firm thaving as a member a (7) the single firm thaving as a member a (8) the single firm thaving as a member a (9) the single firm thaving as a member a (1) the single firm thaving as a member a (2) the single firm thaving as a member a (3) the single firm thaving as a member a (4) the single firm thaving as a member a (5) the single firm thaving as a member a (6) the single firm thaving as a member a (7) the single firm thaving as a member a (8) the single firm thaving as a member a (8) the single firm thaving as a member a (9) the single firm thaving as a member a (9) the single firm thaving as a member a (9) the single firm thaving as a member a (1) the single firm thaving as a member a (1) the single firm thaving as a member a (2) the single firm thaving as a member a (3) the single firm thaving as a member a (4) the single firm thaving as a member a (5) the single firm thaving as a member a (6) the single firm thaving as a member a (7) the single firm thaving as a member a (8) the single firm thaving as a member a (8) the single firm thaving as a member a (9) the single firm thaving as a member a (1) the single firm thaving as a member a (1) the single firm thaving as a member a (1) the single firm thaving as a member a (2) the single firm thaving as a member a (3) the single firm thaving as a member a (4) the single firm thaving as a member a (4) the single firm thaving as a member a (5) the single firm thaving as a member a (6) the single firm thaving as a member a (8) the single firm thaving as a member a (8) the single firm thaving as a member a (8) the single firm thaving as a member a (8) the single firm thaving as a member a (8) th | | | | | | |
| (A) NAME OF ASSI | less an assignee is ident th in 37 CFR 3.11. Comp GNEE | ified below, no assignee pletion of this form is NO | data will appear on the order of the order o | ne pa gan a | ntent. If an assign assignment. and STATE OR C | OUNT | RY) | | |
| Please check the appropr | riate assignee category or | r categories (will not be p | rinted on the patent): | _ | Individual | orporati | on or other private gro | up entity | Government |
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| 5. Change in Entity Sta a. Applicant claim | itus (from status indicate is SMALL ENTITY stati | | ☐ b. Apolicant is no | lons | ser claiming SMA | L EN | ITTY status. See 37 CF | R 1.27(e |)(2). |
| NOTE: The Issue Fee an interest as shown by the | | | | | | | | | |
| Authorized Signature | | | | | Date | | | | |
| Typed or printed name | | | | Registration No. | | | | | |
| This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223 | nation is required by 37 C titality is governed by 35 d application form to the ions for reducing this bu /irginia 22313-1450. DC 313-1450. | CFR 1.311. The informati i U.S.C. 122 and 37 CFR c USPTO. Time will var rden, should be sent to to D NOT SEND FEES OR | on is required to obtain 1.14. This collection is y depending upon the in- the Chief Information O COMPLETED FORM | or n s esti ndiv ffice S TC | etain a benefit by t imated to take 12 idual case. Any co r, U.S. Patent and O'THIS ADDRESS | he publ minutes omment Traden S. SENI | tic which is to file (and to complete, includin s on the amount of tir nark Office, U.S. Depa D TO: Commissioner f | by the U g gathering ne you re- urtment of for Patent | SPTO to process) ig, preparing, and quire to complete Commerce, P.O. s, P.O. Box 1450, |

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| 30449 | 7590 06/30/2008 | | EXAM | UNER | |
| SCHMEISER, OLSEN & WATTS | | STEVENSON, ANDRE C | | | |
| 22 CENTURY I | IILL DRIVE | | ART UNIT | PAPER NUMBER | |
| SUITE 302 LATHAM, NY | 12110 | | 2812 DATE MAII ED: 06/30/200 | 8 | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1201 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1201 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

| Application No. | Applicant(s) | |
|---------------------|--------------|--|
| 10/604,142 | ALLEN ET AL. | |
| Examiner | Art Unit | |
| ANDRE' C. STEVENSON | 2812 | |

| The MAILING DATE of this communication appears on All claims being allowable, PROSECUTION ON THE MERITS IS (OR RI- herewith (or previously mailed), a Notice of Allowance (PTOL-85) or othen NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. of the Office or upon petition by the applicant. See 37 CFR 1.313 and M | EMAINS) CLOSED in this application. If not included or appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initia |
|---|--|
| This communication is responsive to <u>an amendment filed on 05/05</u> | <u>5/08</u> . |
| 2. The allowed claim(s) is/are 23-55. | |
| 3. Acknowledgment is made of a claim for foreign priority under 35 a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been recommended to the priority document international Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this noted below. Failure to timely comply will result in ABANDONMENT of THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. N INFORMAL PATENT APPLICATION (PTO-152) which gives reas: C CORRECTED DRAWINGS (as "replacement sheets") must be su (a) including changes required by the Notice of Draftsperson's Perior to the proper No./Mail Date (b) including changes required by the attached Examiner's Amen Paper No./Mail Date (b) Induding changes required by the attached Examiner's Amen Paper No./Mail Date (b) Induding changes required by the attached Examiner's Amen Paper No./Mail Date (b) Induding changes required by the attached Examiner's Amen Paper No./Mail Date (b) Induding changes required by the attached Examiner's Amen Paper No./Mail Date (b) Induding changes required by the attached Examiner's Amen Paper No./Mail Date (c) Industry No./Mail Date | eceived. eceived in Application No s have been received in this national stage application from the communication to file a reply complying with the requirements this application. ote the attached EXAMINER'S AMENDMENT or NOTICE OF on(s) why the oath or declaration is deficient. bmitted. tatent Drawing Review (PTO-948) attached dment / Comment or in the Office action of hould be written on the drawings in the front (not the back) of er according to 37 CFR 1.121(d). IOLOGICAL MATERIAL must be submitted. Note the |
| Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) | Notice of Informal Patent Application Interview Summary (PTO-413), |
| 3. ☐ Information Disclosure Statements (PTO/SB/08), | Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment |
| Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit | 8. X Examiner's Statement of Reasons for Allowance |
| of Biological Material | 9. Other |
| | |

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 35, line 1: change "claim 1" to - - claim 33 - -

Allowable Subject Matter

Claims 23-55 are allowed.

The following is an examiner's statement of reasons for allowance: the reasons for noting that claims 23-55 are allowable were made of record in the previous office action. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Art Unit: 2812

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andre C. Stevenson whose telephone number is (571) 272-1683. The examiner can normally be reached on weekdays, between 9:00am and 5:00pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Garber can be reached on 571-272-2194. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ACS/ 6-18-08

/Scott B. Geyer/

Primary Examiner, Art Unit 2812